

Components of a Ground Water Management Plan

Managing groundwater to ensure a long-term sustainable and reliable, good quality water supply requires that local agencies implement a groundwater management program suitable to the political, legal, institutional, technical and economic opportunities and constraints that exist in their basin. This Water Fact lists components from Bulletin 118-2003, *California's Groundwater*, Appendix C that should be considered for inclusion.

As the result of 2002 amendments to the Water Code (Sections 10750 et seq., SB 1938, Stats. 2002, ch. 603), Components 1, 2, 3, 6, 7, and 9 must be included in an agency's groundwater management plan if the agency is seeking certain state funding for proposed projects.

Funding provided under Water Code Section 10795, the Local Groundwater Management Assistance Act, is exempted from that requirement.

List of Components

Component 1

Include documentation that a written statement was provided to the public "describing the manner in which interested parties may participate in

developing the groundwater management plan," which may include appointing a technical advisory committee.

Water Code Section 10753.4 (b)

This documentation must be included in any plan adopted under Water Code Section 10750 (AB 3030).

Water Code Section 10750

Component 2

Include a plan by the managing entity to "involve other agencies that enables the local agency to work cooperatively with other public entities whose service area or boundary overlies the groundwater basin."

Water Code Section 10753.7 (a)(2)

A local agency includes "any local public agency that provides water service to all or a portion of its service area and includes a joint powers authority formed by local public agencies that provide water service."

Water Code Section 10752 (g)

Component 3

Provide a map showing the area of the groundwater basin, as defined by DWR Bulletin 118, with the area of the local agency subject to the plan as well as the boundaries of other local agencies that overlie the basin in which the agency is developing a groundwater management plan.

Water Code Section 10753.7 (a)(3)

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Component 4

Establish an advisory committee of stakeholders (interested parties) within the plan area that will help guide the development and implementation of the plan and provide a forum for resolution of controversial issues.

Component 5

Describe the area to be managed under the plan, including:

- The physical structure and characteristics of the aquifer system underlying the plan area in the context of the overall basin.
- A summary of the availability of historical data including, but not limited to, the components in Section 7 below.
- Issues of concern including, but not limited to, issues related to the components in Section 7 below.
- A general discussion of historical and projected water demands and supplies.

Component 6

Establish management objectives (MOs) for the groundwater basin that is subject to the plan.
Water Code Section 10753.7 (a)(1)

Component 7

Include components relating to the monitoring and management of groundwater levels, groundwater quality, inelastic land surface subsidence, and changes in surface flow and surface water quality that directly affect groundwater levels or

quality or are caused by groundwater pumping.
Water Code Section 10753.7 (a)(1)

Consider additional components listed in Water Code Section 10753.8 (a) through (l).

Component 8

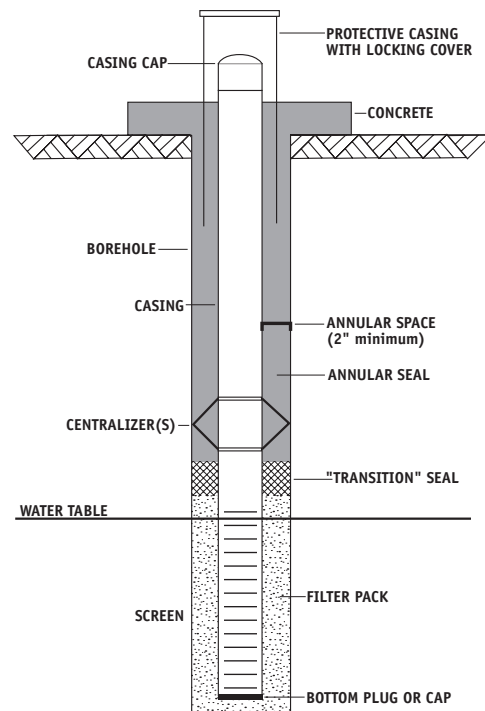
For each MO, describe how meeting the MO will contribute to a more reliable supply for long-term beneficial uses of groundwater in the plan area, and describe existing or planned management actions to achieve MOs.

Component 9

Adopt monitoring protocols for the components in Section 7.

Water Code Section 10753.7 (a)(4)

Cross-section of a monitoring well



“Monitoring protocols” are not defined in the Water Code, but the section is interpreted to mean developing a monitoring program capable of tracking changes in conditions over time for the purpose of meeting MOs.

Component 10

Describe the monitoring program, including:

- a. A map indicating the general locations of any applicable monitoring sites for groundwater levels, groundwater quality, subsidence stations, or stream gages.
- b. A summary of monitoring sites indicating the type (groundwater level, groundwater quality, subsidence, stream gage) and frequency of monitoring. For groundwater level and groundwater quality wells, indicate the depth interval(s) or aquifer zone monitored and the type of well (public, irrigation, domestic, industrial, monitoring).

Component 11

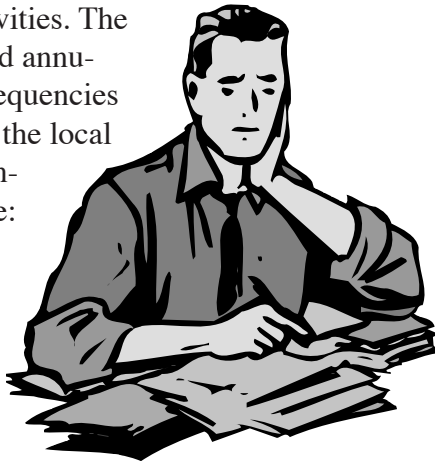
Describe any current or planned actions by the local managing entity to coordinate with other land use, zoning, or water management planning agencies or activities.

Water Code Section 10753.8 (k), (l)

Component 12

Provide for periodic report(s) summarizing groundwater basin conditions and groundwater management activities. The report(s), prepared annually or at other frequencies as determined by the local management agency, should include:

- a. Summary of monitoring results, including a discussion of historical trends.
- b. Summary of management actions during the period covered by the report.
- c. A discussion, supported by monitoring results, of whether management actions are achieving progress in meeting MOs.



d. Summary of proposed management actions for the future.

e. Summary of any plan component changes, including addition or modification of MOs, during the period covered by the report.

f. Summary of actions taken to coordinate with other water management and land use agencies, and other government agencies.

Component 13

Provide for the periodic re-evaluation of the entire plan by the managing entity.

Component 14

For local agencies not overlying groundwater basins, plans should be prepared including the above listed components and using geologic and hydrologic principles appropriate to those areas.

Water Code Section 10753.7 (a)(5)

Where do you get more information?

For more information contact any of the following California Department of Water Resources offices, or see our Web site: www.dwr.water.ca.gov.

Northern District

2440 Main Street
Red Bluff, CA 96080-2398
(530) 529-7300
www.dpla.water.ca.gov/nd

Central District

3251 S Street
Sacramento, CA 95816-7017
(916) 227-7590
www.dpla.water.ca.gov/cd

San Joaquin District

3374 East Shields Avenue
Fresno, CA 93726-6990
(559) 230-3300
www.dpla.water.ca.gov/sjd

Southern District

770 Fairmont Avenue, Suite 102
Glendale, CA 91203-1035
(818) 543-4600
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Division of Planning and Local Assistance

901 P Street
Sacramento, CA 95814-3515
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www.dpla.water.ca.gov

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